

Claims

1. Wiper plate to hold a replaceable wiping cloth, comprising an essentially plate-like carrier plate, with an elastically yielding foam body, which can be affixed on the underside, characterized in that the foam body (4) has at least one recess (5), in which at least one nonelastic punch (6) connected to the carrier plate (3) is located and has a height that is equal to or smaller than the height of the foam body (4) in the nonused state and in that the punch (6) can be brought into contact at least with the side of the wiping cloth (2) which is turned away from the wiping surface, by exerting pressure on the carrier plate (3) and the compressed foam body (4).

2. Wiper plate according to Claim 1, characterized in that the punches (6) are 0 to 10 mm shorter than the height of the foam body (4) in the unburdened state.

3. Wiper plate according to Claim 1 or 2, characterized in that the ratio of the cross-sectional area of the punches (6) to the total area of the wiper plate (1) is between 1:10 and 1:100.

4. Wiper plate according to Claim 3, characterized in that the ratio is 1:50.

5. Wiper plate according to one of Claims 1 to 4, characterized in that the punches (6) are uniform in material and are connected in one piece to the carrier plate (3).

6. Wiper plate according to one of Claims 1 to 4, characterized in that the punches (6) are connected, in a form- or material-locking manner, to the carrier plate (3).

7. Wiper plate according to one of Claims 1 to 6, characterized in that the punches (6) comprise ribs (7), which extend in the longitudinal direction of the carrier plate (3).

8. Wiper plate according to one of Claims 1 to 7, characterized in that the ribs (7) extend over the entire width of the carrier plate (3).

9. Wiper plate according to one of Claims 1 to 7, characterized in that the ribs (7) extend more than 50% of the longitudinal extension of the carrier plate (3).

10. Wiper plate according to one of Claims 1 to 9, characterized in that the ribs (7) are situated at an angle, preferably approximately 45° , relative to the side edges of the wiper plate (1).

11. Wiper plate according to one of Claims 1 to 6, characterized in that the punch (6) comprises rods (8).

12. Wiper plate according to one of Claims 1 to 11, characterized in that the foam body (4) is made of a polymeric, organic material.

13. Wiper plate according to one of Claims 1 to 12, characterized in that the foam body (4) is formed by an open-pore foam (9).

14. Wiper plate according to one of Claims 1 to 13, characterized in that the surface of the foam body (4), which faces the surface to be cleaned, is provided with strips that protrude, embossed, at least in one partial area and that have areas with heights which differ from one another in the direction of their pattern.

15. Wiper plate according to one of Claims 1 to 14, characterized in that the area of the wiper plate (1), which faces the surface to be cleaned, has a convex curvature.

16. Wiper plate according to Claims 1 to 15, characterized in that the carrier plate (3) is made of polymeric material.

17. Floor wiper (11) with a wiper plate (1) to hold a replaceable wiping cloth (2), wherein the wiper plate (1) can be connected to a handle (12), characterized in that the wiper plate (1) is a wiper plate (1) according to one of Claims 1 to 16.